



**[Billing Code 4140-01-P]**

**DEPARTMENT OF HEALTH AND HUMAN SERVICES**

**National Institutes of Health**

**Government-Owned Inventions; Availability for Licensing**

**AGENCY:** National Institutes of Health, HHS.

**ACTION:** Notice.

**SUMMARY:** The invention listed below is owned by an agency of the U.S.

Government and is available for licensing to achieve expeditious commercialization of results of federally-funded research and development. Foreign patent applications are filed on selected inventions to extend market coverage for companies and may also be available for licensing.

**FOR FURTHER INFORMATION CONTACT:** Peter Soukas, J.D., 301-594-8730; [peter.soukas@nih.gov](mailto:peter.soukas@nih.gov). Licensing information and copies of the patent applications listed below may be obtained by communicating with the indicated licensing contact at the Technology Transfer and Intellectual Property Office, National Institute of Allergy and Infectious Diseases, 5601 Fishers Lane, Rockville, MD, 20852; tel. 301-496-2644. A signed Confidential Disclosure Agreement will be required to receive copies of unpublished patent applications.

**SUPPLEMENTARY INFORMATION:** Technology description follows.

**Hybridoma cell lines producing antibodies to RSV NS1**

**Description of Technology:**

This technology provides a new set of hybridoma cell lines each expressing a single monoclonal antibody against human respiratory syncytial virus (RSV) nonstructural protein 1 (NS1). These antibodies have variously been shown to detect NS1 protein in an enzyme-linked immunosorbent assay (ELISA), Western blot assay, immunofluorescence microscopy of paraformaldehyde-fixed cells, and flow cytometry. The various antibodies can vary in their efficiency in each of these assays. This technology provides a unique set of qualified monoclonal antibodies against RSV NS1 protein which currently do not exist. These antibodies and cell lines may be of interest to any persons investigating RSV infection processes, particularly as it relates to the activity of NS1 in such an infection process.

This technology is available for licensing for commercial development in accordance with 35 U.S.C. § 209 and 37 CFR Part 404, as well as for further development and evaluation under a research collaboration.

**Potential Commercial Applications:**

- Viral diagnostics
- Vaccine research

**Competitive Advantages:**

- Ease of manufacture
- Unique research tool

**Development Stage:**

- *In vitro* data assessment

**Inventors:** Thomas McCarty (NIAID), Joseph Marcotrigiano (NIAID), Peter Collins (NIAID).

**Publications:** None.

**Intellectual Property:** HHS Reference No. E-018-2018/0—U.S. Provisional Application No. 62/661,320, filed April 23, 2018 (pending).

**Licensing Contact:** Peter Soukas, J.D., 301-594-8730; peter.soukas@nih.gov.

**Collaborative Research Opportunity:** The National Institute of Allergy and Infectious Diseases is seeking statements of capability or interest from parties interested in collaborative research to further develop, evaluate or commercialize for development of a vaccine for respiratory or other infections. For collaboration opportunities, please contact Peter Soukas, J.D., 301-594-8730; peter.soukas@nih.gov.

Dated: September 25, 2018.

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Suzanne M. Frisbie,

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